

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-010002

Application Number

09/122,384

Applicant(s)

ELLEDDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	A1	4,673,640	06/16/87	Backman			
JS	A2	4,743,546	05/10/88	Backman, et al.			
	A3	4,959,317	09/25/90	Sauer			duplicate
JS	A4	5,227,288	07/13/93	Blattner			
JS	A5	5,354,668	10/11/94	Auerbach			
	A6	5,434,066	07/18/95	Bebbee, et al.			
	A7	5,470,727	11/28/95	Mascarenhas, et al.			
	A8	5,591,609	01/07/97	Auerbach			
	A9	5,614,389	03/25/97	Auerbach			
	A10	5,635,381	06/03/97	Hooykaas, et al.			
	A11	5,658,772	08/19/97	Odell, et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
JS	B1	EP 0160571	11/06/85	Europe				
	B2	EP 0300422	01/25/89	Europe				
	B3	WO 91/02801	03/07/91	PCT				
	B4	WO 91/16427	10/31/91	PCT				
JS	B5	WO 92/20791	11/26/92	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	C1	Abremski and Gottesman, "Purification of the Bacteriophage λ <i>xis</i> Gene Product Required for λ Excisive Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 257(16)9658-62, 1982					
JS	C2	Abremski and Hoess, "Bacteriophage P1 Site-specific Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 259(3):1509-14, 1984					

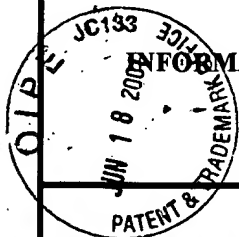
EXAMINER

Perry L. Paul

DATE CONSIDERED

10/4/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-010-CP

Application Number

09/122,384

Applicant(s)

ELLEDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	A12	5,677,170	10/14/97	Devine, et al.			
	A13	5,677,177	10/14/97	Wahl, et al.			
	A14	5,710,248	01/20/98	Grose			
	A15	5,723,765	03/03/98	Oliver, et al.			
	A16	5,733,733	03/31/98	Auerbach			
	A17	5,733,743	03/31/98	Johnson			
	A18	5,744,336	04/28/98	Hodges, et al.			
	A19	5,766,891	06/16/98	Shuman			
	A20	5,776,449	07/07/98	Baum			
	A21	5,830,707	11/03/98	Bushman			
<i>W</i>	A22	5,837,242	11/17/98	Holliger, et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	B6	WO 93/15191	08/05/93	PCT	<i>duplicate</i>			
<i>N</i>	B7	WO 93/19172	09/30/93	PCT				
<i>I</i>	B8	2,141,412	02/17/94	Canada				
<i>J</i>	B9	WO 94/17176	08/04/94	PCT				
<i>M</i>	B10	WO 95/00555	01/05/95	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W</i>	C3	Abremski, et al., "Bacteriophage P1 Cre- <i>LoxP</i> Site-specific Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 261(1):391-96, 1986
	C4	Abremski, et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products following Recombination", CELL, 32:1301-11, 1983 <i>duplicate</i>

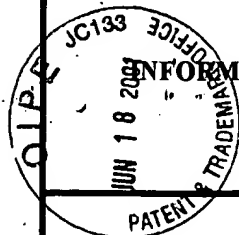
EXAMINER

Remy yual

DATE CONSIDERED

10/5/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-010CIP

Application Number

09/122,384

Applicant(s)

ELLEDDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE.
OR	A23	5,843,772	12/01/98	Devine, et al.			
	A24	5,851,808	12/22/98	Elledge, et al.			duplicate
OR	A25	5,858,657	01/12/99	Winter, et al.			
OR	A26	5,871,907	02/16/99	Winter, et al.			
OR	A27	5,874,259	02/23/99	Szybalski			
	A28	5,888,732	03/30/99	Hartley, et al.			duplicate
OR	A29	5,916,804	06/29/99	Bushman			
OR	A30	5,919,676	07/06/99	Graham, et al.			
OR	A31	5,928,914	07/27/99	Leboulch, et al.			
OR	A32	5,989,872	11/23/99	Luo, et al.			
OR	A33	6,010,884	01/04/00	Griffiths, et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OR	B11	WO 97/06265	02/20/97	PCT				
	B12	WO 97/09436	03/13/97	PCT				
	B13	WO 97/25446	07/17/97	PCT				
	B14	WO 97/32481	09/12/97	PCT				
OR	B15	WO 98/10086	03/12/98	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OR	C5	Adams, et al., "Cre-lox Recombination in <i>Escherichia coli</i> Cells", J. MOL. BIOL., 226(3):661-73, 1992					
OR	C6	Andrews, et al., "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences", CELL, 40(4):795-803, 1985					

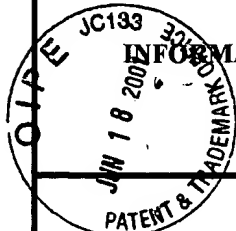
EXAMINER

Remypal

DATE CONSIDERED

10/5/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-010CIP

Application Number

09/122,384

Applicant(s)

ELLEDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
of	A34	6,040,430	03/21/00	Stewart			
	A35	6,063,627	05/16/00	McVey, et al.			
	A36	5,348,886	09/20/94	Lee, et al.			
	A37	6,143,557	11/07/00	Hartley, et al.			
	A38	6,171,861	01/09/01	Hartley, et al.			
	A39	5,286,632	02/15/94	Jones			
	A40	5,334,375	08/02/94	Nabi, et al.			
	A41	5,650,308	07/22/97	Baum			
	A42	5,728,551	03/17/98	Devine, et al.			
	A43	5,334,575	08/02/94	Noonan, et al.			
of	A44	5,650,557	07/22/97	Hannah, et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
of	B16	WO 94/09127	04/28/94	PCT				
of	B17	WO 98/53056	11/26/98	PCT				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

of	C7	Andrews, et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 μ m Plasmid with Mutated Target Sequences", MOLECULAR AND CELLULAR BIOLOGY, 6(7):2482-89, 1986
of	C8	Anton and Graham, "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: A Molecular Switch for Control of Gene Expression", JOURNAL OF VIROLOGY, 69(8):4600-06, 1995

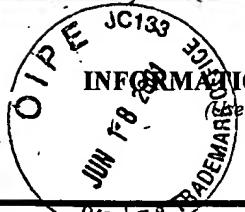
EXAMINER

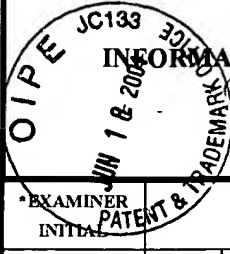
Berny Lual

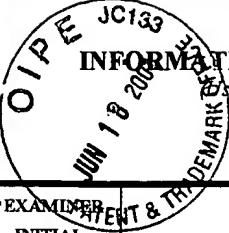



DATE CONSIDERED


10/5/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-010CIP		Application Number 09/122,384	
		Applicant(s) ELLEDGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		<div style="display: flex; justify-content: space-between;"> <div> <p>* EXAMINER INITIAL</p> </div> <div> <p>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</p> </div> </div>			
<p>OR</p>	C9	Araki, et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1", J. MOL. BIOL, 225:25-37, 1992			
OR	C10	Argos, et al, "The integrase family of site-specific recombinases: regional similarities and global diversity", THE EMBO JOURNAL, 5(2):433-440, 1986			
OR	C11	Astumian, et al., "Site-Specific Recombination between Cloned <i>attP</i> and <i>attB</i> Sites from the <i>Haemophilus influenzae</i> Bacteriophage HP1 Propagated in Recombination-Deficient <i>Escherichia coli</i> ", JOURNAL OF BACTERIOLOGY, 171(3):1747-1750, 1989			
OR	C12	Atlung, et al., "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ", GENE, 107:11-17, 1991			
OR	C13	Ausubel, et al., "Current Protocols in Molecular Biology", Supplement 26, Boston, MA: John Wiley & Sons, Inc. (1995)			
OR	C14	Ausubel, et al., "Current Protocols in Molecular Biology", Supplement 15, Boston, MA: John Wiley & Sons, Inc. (1995)			
	C15	Babineau, et al., "The FLP Protein of the 2-micron Plasmid of Yeast", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 260(22):12313-19, 1985 <div style="text-align: center; margin-top: 10px;">Duplicate</div>			
OR	C16	Balakrishnan, et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for <i>att</i> -Int-mediated rearrangement and <i>p_L</i> expression vectors", GENE, 138:101-04, 1994			
OR	C17	Bayley, et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre- <i>lox</i> site-specific recombination system", PLANT MOLECULAR BIOLOGY, 18:353-361, 1992			
OR	C18	Bethke and Sauer, "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants", NUCLEIC ACIDS RESEARCH, 25(14):2828-34, 1997			
OR	C19	Bernard and Couturier, "Cell Killing by the F Plasmid CcdB Protein Involves Poisoning of DNA-Topoisomerase II Complexes", J. MOL. BIOL., 226:735-45, 1992			
OR	C20	Bernard, et al., "Positive-selection vectors using the F plasmid <i>ccdB</i> killer gene", GENE, 148:71-74, 1994			
EXAMINER		DATE CONSIDERED			
<p>Amr Qual</p>		<p>10/5/01</p>			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-000 CIP		Application Number 09/122,384	
		Applicant(s) ELLEGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		<div style="display: flex; justify-content: space-between;"> <div> <p>*EXAMINER INITIAL</p> <p><i>AM</i></p> </div> <div> <p>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</p> </div> </div>			
	C21	Betz, et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination", CURRENT BIOLOGY, 6(10):1307-16, 1996			
	C22	Bhandari and Gowrishankar, "An <i>Escherichia coli</i> Host Strain Useful for Efficient Overproduction of Cloned Gene Products with NaCl as the Inducer", JOURNAL OF BACTERIOLOGY, 179(13):4403-06, 1997			
	C23	Black, "In vitro packaging into phage T4 particles and specific recircularization of phase lambda DNAs", GENE, 46:97-101, 1986			
	C24	Bloch, et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 223(1):104-11, 1996			
	C25	Bochner, et al., "Positive Selection for Loss of Tetracycline Resistance", JOURNAL OF BACTERIOLOGY, 143(2):926-33, 1980			
	C26	Boyd, "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids", NUCLEIC ACIDS RESEARCH, 21(4):817-21, 1993			
	C27	Broach, et al., "Recombination within the Yeast Plasmid 2μ Circle is Site-Specific", CELL, 29:227-34, 1982			
	C28	Brunelli and Pall, "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and cre / lox-Mediated Plasmid Excision", YEAST, 9:1309-18, 1993			
	C29	Brunelli and Pall, "Lambda/Plasmid Vector Construction by In Vivo cre/lox-Mediated Recombination", BIOTECHNIQUES, 16(6):1061-64, 1994 <div style="text-align: right;"><i>duplicate</i></div>			
	C30	Bubeck, et al., "Rapid cloning by homologous recombination <i>in vivo</i> ", NUCLEIC ACIDS RESEARCH, 21(15):3601-02, 1993			
	C31	Buchholz, et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs", NUCLEIC ACIDS RESEARCH, 24(15):3118-19, 1996			
	C32	<div style="display: flex; align-items: center;"> <div style="width: 5%; text-align: center;"><i>AM</i></div> <div> Buchholz, et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination", NUCLEIC ACIDS RESEARCH, 24(21):4256-62, 1996 </div> </div>			
EXAMINER		DATE CONSIDERED			
<i>Removal</i>		1015101			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-015CIP		Application Number 09/122,384	
		Applicant(s) ELLEGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;">*EXAMINER INITIAL</div> <div style="width: 85%;">OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</div> </div>			
	C33	Burioni, et al., "An improved phage display vector for antibody repertoire cloning by construction for combinatorial libraries", RES. VIROL., 148:161-64, 1997			
	C34	Bushman, et al., "Control of Directionality in Lambda Site Specific Recombination", SCIENCE, 230(4728):906-11, 1985			
	C35	Campbell, "Chromosomal Insertion Sites for Phages and Plasmids", JOURNAL OF BACTERIOLOGY, 174(23):7495-99, 1992			
	C36	Capone, "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells", MOLECULAR AND CELLULAR BIOLOGY, 6(9):3059-67, 1986			
	C37	Chanock, "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases", INFECTIOUS AGENTS AND DISEASE, 2(3):118-31, 1993			
	C38	Chapin, et al., "Differential Expression of Alternatively Spliced Forms of MAP4; A repertoire of Structurally Different Microtubule-Binding Domains", BIOCHEMISTRY, 34(7):2289-2301, 1995			
	C39	Chatterjee and Coren, "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products of Cre-catalysed recombination between the endogenous and a transposed <i>loxP</i> site", NUCLEIC ACIDS RESEARCH, 25(11):2205-12, 1997			
	C40	Chong, et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element", GENE, 192:271-81, 1997			
	C41	Cox, "The FLP protein of the yeast 2- μ m plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ", PROC. NATL. ACAD. SCI. USA, 80(14):4223-27, 1983			
	C42	Craig and Nash, "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase", CELL, 35(3):795-803, 1983			
	C43	Dale and Ow, "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase", GENE, 91:79-85, 1990			
	C44	Dale and Ow, "Gene transfer with subsequent removal of the selection gene from the host genome", PROC. NATL. ACAD. SCI. USA, 88:10558-62, 1991			
EXAMINER 		DATE CONSIDERED 10/9/01			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	
	Docket Number (Optional) BAY136/4-016CIP	Application Number 09/122,384
	Applicant(s) ELLEGE ET AL.	
	Filing Date JULY 24, 1998	Group Art Unit 1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	C45	Dang and Perrimon, "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ", DEVELOPMENTAL GENETICS, 13:367-75, 1992
	C46	Davis, et al., "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42</i> ^{G12V} and Dominant Negative <i>cdc42</i> ^{D118A} Mutations", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 273(2):849-58, 1998
	C47	Degryse, "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions", GENE, 170(1):45-50, 1996
	C48	Derbyshire and Belfort, "Lightning strikes twice: Intron-intein coincidence", PROC. NATL. ACAD. SCI. USA, 95:1356-57, 1998
	C49	Devine and Boeke, "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis, NUCLEIC ACIDS RESEARCH, 22(18):3765-72, 1994
	C50	Diederich, et al., "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome", PLASMID, 28:14-24, 1992
	C51	Dymecki, "A modular set of <i>Flp</i> , <i>FRT</i> and <i>LacZ</i> fusion vectors for manipulating genes by site-specific recombination", Gene, 171(2):197-201, 1996
	C52	Elledge, et al., "YES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations", PROC. NATL. ACAD. SCI. USA, 88:1731-35, 1991 <i>duplicate</i>
	C53	Esposito and Scocca, "The integrase family of tyrosine recombinases: evolution of a conserved active site domain", NUCLEIC ACIDS RESEARCH, 25(18):3605-14, 1997
	C54	Feil, et al., "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 237(3):752-57, 1997
	C55	Ferguson, et al., "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments", GENE, 16:191-97, 1981
	C56	Fiering, et al., "An 'in-out' strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region", PROC. NATL. ACAD. SCI. USA, 90:8469-73, 1993

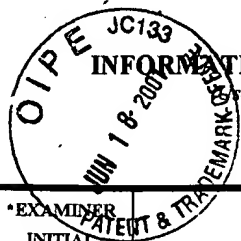
EXAMINER

Remy Paul

DATE CONSIDERED

10 19 01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(use several sheets if necessary)

Docket Number (Optional)

BAY136/4-016CIP

Application Number

09/122,384

Applicant(s)

ELLEDDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ES	C57	Filutowicz, et al., "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step", GENE, 147:149-50, 1994
	C58	Francia and Garcia Lobo, "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)", JOURNAL OF BACTERIOLOGY, 178(3):894-98, 1996 duplicate
	C59	Fukushige and Sauer, "Genomic targeting with a positive-selection <i>lox</i> integration vector allows highly reproducible gene expression in mammalian cells", PROC. NATL. ACAD. SCI. USA, 89:7905-09, 1992
	C60	Gage, et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into the Herpes Simplex Virus Type 1 Genome", JOURNAL OF VIROLOGY, 66(9):5509-15, 1992
	C61	Geoffroy, et al., "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires", GENE, 151:109-13, 1994
	C62	Glasgow, et al., "DNA-binding Properties of the Hin Recombinase", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 264(17):10072-82, 1989 duplicate
	C63	Golic and Lindquist, "The FLP Recombinase of Yeast Catalyzes Site-Specific Recombination in the <i>Drosophila</i> Genome", CELL, 59:499-509, 1989
	C64	Gotz, et al., " <i>Escherichia coli</i> 30S mutants lacking protein S20 are defective in translation initiation", BIOCHIMICA ET BIOPHYSICA ACTA, 1050:93-97, 1990
	C65	Green and Noller, "Ribosomes and Translation", ANNU. REV. BIOCHEM 1997, 66:679-716, 1997
	C66	Gu, et al., "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", SCIENCE, 265:103-106, 1994
	C67	Hardy, et al., "Construction of Adenovirus Vectors through Cre- <i>lox</i> Recombination", JOURNAL OF VIROLOGY, 71(3):1842-49, 1997
MS	C68	Hasan and Szybalski, "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the <i>p_{tac}</i> promoter", GENE, 56:145-51, 1987

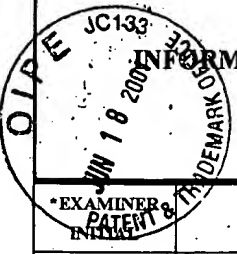
EXAMINER

Remus Paul

DATE CONSIDERED

10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

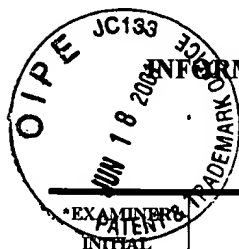
Docket Number (Optional)	Application Number
BAY136/4-010CIP	09/122,384
Applicant(s)	
ELLEDDGE ET AL.	
Filing Date	Group Art Unit
JULY 24, 1998	1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ay	C69	Hasan, et al., "Escherichia coli genome targeting. I. Cre-lox-mediated in vitro generation of ori⁺ plasmids and their in vivo chromosomal integration and retrieval", GENE, 150:51-56, 1994 <i>duplicate</i>
	C70	Hashimoto-Gotoh, et al., "Improved vector, pHSG664, for direct streptomycin-resistance selection: cDNA cloning with G: C-tailing procedure and subcloning of double-digest DNA fragments", GENE, 41:125-28, 1986
	C71	Hoekstra, et al., "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast", METHODS IN ENZYMOLOGY, 194:329-42, 1991
	C72	Hoess, et al., "P1 site-specific recombination: Nucleotide sequence of the recombining sites", Proc. NATL. ACAD. SCI. USA, 79:3398-3402, 1982 <i>duplicate</i>
	C73	Hoess and Abremski, "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System", J. MOL. BIOL, 181(3):351-62, 1985 <i>duplicate</i>
	C74	Hoess, et al., "Formation of small circular DNA molecules via an in vitro site-specific recombination system", GENE, 40(2,3):325-29, 1985 <i>duplicate</i>
	C75	Hoess, et al., "The role of the toxP spacer region in P1 site-specific recombination", NUCLEIC ACIDS RESEARCH, 14(5):2287-2300, 1986 <i>duplicate</i>
	C76	Hoess and Abremski, "The Cre-lox Recombination System", NUCLEIC ACIDS AND MOLECULAR BIOLOGY, Eckstein, Lilley, eds., 4:98-109, 1990
	C77	Holt and May, "A novel phase λ replacement Cre-lox vector that has automatic subcloning capabilities", GENE, 133(1):95-97, 1993 <i>duplicate</i>
	C78	Hoogenboom, et al., "Multi-subunit proteins on the surface of filamentous phase: methodologies for displaying antibody (Fab) heavy and light chains", NUCLEIC ACIDS RESEARCH, 19(15):4133-37, 1991
	C79	Jaffe, et al., "Effects of the ccd Function of the F Plasmid on Bacterial Growth, JOURNAL OF BACTERIOLOGY, 163(3):841-49, 1985
N ay	C80	Jayaram, "The Int family of site-specific recombinases: Some thoughts on a general reaction mechanism", J. GENET., 67(1):29-36, 1988

EXAMINER	DATE CONSIDERED
<i>Remy Lfual</i>	10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-016CIP

Application Number

09/122,384

Applicant(s)

ELLEGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


	C81	Jeong, et al., "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ", J.DNA SEQUENCING AND MAPPING, 4(1):59-67, 1993
	C82	Kanaar, et al., "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between <i>Cis</i> -Acting Sites", CELL, 58:147-59, 1989
	C83	Katz, et al., "Site-specific recombination in <i>Escherichia coli</i> between the <i>att</i> sites of plasmid pSE211 from <i>Saccharopolyspora erythraea</i> ", MOL. GEN. GENET., 227:155-59, 1991
	C84	Kealey, et al., "Production of a polyketide natural product in nonpolyketide-producing prokaryotic and eukaryotic hosts", PROC. NATL. ACAD. SCI. USA, 95:505-09, 1998
	C85	Kholodenko, et al., "Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes", BIOTECHNOLOGY AND BIOENGINEERING, 59(2):239-47, 1998
	C86	Kilby, et al., "Site-specific recombinases: tools for genome engineering", TRENDS IN GENETICS, 9(12):413-21, 1993
	C87	Kim and Landy, "Lambda Int Protein Bridges Between Higher Order Complexes at Two Distant Chromosomal Loci <i>attL</i> and <i>attR</i> ", SCIENCE, 256:198-203, 1992
	C88	Kitts and Nash, "Bacteriophage Lambda Site-specific Recombination Proceeds with a Defined Order of Strand Exchanges", J. MOL. BIOL., 204(1):95-107, 1988
	C89	Kouprina, et al., "Rescue of Targeted Regions of Mammalian chromosomes by in Vivo Recombination in Yeast", GENOME RESEARCH, 8:666-72, 1998
	C90	Kozak, "Comparison of Initiation of Protein Synthesis in Prokaryotes, Eucaryotes, and Organelles", MICROBIOLOGICAL REVIEWS, 47(1):1-45, 1983
	C91	Kozak, "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs", NUCLEIC ACIDS RESEARCH, 15(20):8125-49, 1987
	C92	Kozak, "Structural Features in Eukaryotic mRNAs That Modulate the Initiation of Translation", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 266(30):19867-70, 1991

EXAMINER

DATE CONSIDERED

10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	
	Docket Number (Optional) BAY136/4-010CIP	Application Number 09/122,384
	Applicant(s) ELLEGE ET AL.	
	Filing Date JULY 24, 1998	Group Art Unit 1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AK</i>	C93	Kuhn, et al., "Inducible Gene Targeting in Mice", SCIENCE, 269:1427-29, 1995
<i>[Vertical line]</i>	C94	Lafontaine and Tollervy, "One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins", NUCLEIC ACIDS RESEARCH, 24(17):3469-72, 1996
	C95	Lake, "Evolving Ribosome Structure: Domains in Archaeobacteria, Eubacteria, Eocytes and Eukaryotes", ANN. REV. BIOCHEM. 1985, 54:507-30, 1985
	C96	Lakso, et al., "Targeted oncogene activation by site-specific recombination in transgenic mice", PROC. NATL. ACAD. SCI. USA, 89:6232-36, 1992
	C97	Lander, "The New Genomics: Global Views of Biology", SCIENCE, 274:536-39, 1996
	C98	Landy, "Dynamic, Structural, and Regulatory Aspects of λ Site-Specific Recombination", ANNU. REV. BIOCHEM., 58:913-49, 1989
	C99	Landy, "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP", CURRENT OPINION IN GENETICS AND DEVELOPMENT, 3:699-707, 1993
	C100	Lebreton, et al., "Mutations That Improve the Binding of Yeast FLP Recombinase to Its Substrate", GENETICS, 118:393-400, 1988
	C101	Lee, et al., "Genetic Analysis of <i>Escherichia coli</i> Integration Host Factor Interactions with Its Bacteriophage λ H' Recognition Site", JOURNAL OF BACTERIOLOGY, 173(2):609-17, 1991
	C102	Leong, et al., "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system", PROC. NATL. ACAD. SCI. USA, 82:6990-94, 1985
	C103	Leung, "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs", JOURNAL OF THE INTERNATIONAL SOCIETY OF THROMBOSIS AND HAEMOSTASIS, 74(1):373-76, 1995
<i>AK</i>	C104	Luckow, et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ", JOURNAL OF VIROLOGY, 67(8):4566-79, 1993





EXAMINER

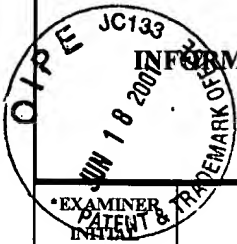
Remy Yguer

DATE CONSIDERED

10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-016CIP		Application Number 09/122,384	
		Applicant(s) ELLEDDGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		<div style="display: flex; justify-content: space-between;"> <div> <p><small>* EXAMINER INITIAL</small></p> </div> <div> <p>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</p> </div> </div>			
	C105	Mackie, "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 256(15):8177-82, 1981			
	C106	Maeser and Kahmann, "The Gin recombinase of phage Mu can catalyse site-specific recombination in plant protoplasts", MOL. GEN. GENET., 230:170-76, 1991			
	C107	Mahillon, et al., "IS231 and other <i>Bacillus thuringiensis</i> transposable elements: a review", GENETICA, 93:13-26, 1994			
	C108	Mahillon, et al., "Subdivision of the <i>Escherichia coli</i> K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites", GENE, 223:47-54, 1998			
	C109	Matsuzaki, et al., "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid", JOURNAL OF BACTERIOLOGY, 172(2):610-18, 1990			
	C110	McCarthy and Brimacombe, "Prokaryotic translation: the interactive pathway leading to initiation", TRENDS IN GENETICS, 10(11):402-07, 1994			
	C111	Medberry, et al., "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination", NUCLEIC ACIDS RESEARCH, 23(3):485-90, 1995			
	C112	Miki, et al., "Control of Segregation of Chromosomal DNA by Sex Factor F in <i>Escherichia coli</i> ", J. MOL. BIOL., 225(1):39-52, 1992			
	C113	Mizuuchi and Mizuuchi, "Integrative Recombination of Bacteriophage λ: In Vitro Study of the Intermolecular Reaction", COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, XLIII:1111-14, 1979			
	C114	Mizuuchi and Mizuuchi, "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda", NUCLEIC ACIDS RESEARCH, 13(4):1193-1208, 1985			
	C115	Mozo and Hooykaas, "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation", MOL. GEN. GENET., 236:1-7, 1992			
	C116	Mullins, et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals", NUCLEIC ACIDS RESEARCH, 25(12):2539-40, 1997			
EXAMINER		DATE CONSIDERED			
		10/9/01			
<p><small>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small></p>					



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-016CIP

Application Number

09/122,384

Applicant(s)

ELLEDDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

oo	C117	Nagaraja and Weisberg, "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ ", JOURNAL OF BACTERIOLOGY, 172:6540-50, 1990
	C118	Nash, "Integrative Recombination of Bacteriophage Lambda DNA <i>In Vitro</i> ", PROC. NATL. ACAD. SCI. USA, 72(3):1072-76, 1975
	C119	Nash, "Purification and Properties of the Bacteriophage Lambda Int Protein", Methods in Enzymology, 100:210-16, 1983
	C120	Nash, "Bending and supercoiling of DNA at the attachment site of bacteriophage λ ", TRENDS IN BIOCHEMICAL SCIENCES, 15: 222-27, 1990
	C121	Nash and Robertson, "Purification and Properties of the <i>Escherichia coli</i> Protein Factor Required for λ Integrative Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 256(17):9246-53, 1981
	C122	Nash and Robertson, "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products", THE EMBO JOURNAL, 8(11):3523-33, 1989
	C123	Nash, et al., "Role of homology in site-specific recombination of bacteriophage λ : Evidence against joining of cohesive ends", PROC. NATL. ACAD. SCI. USA, 84(12):4049-53, 1987
	C124	Nomura, et al., "Regulation of the Synthesis of Ribosomes and Ribosomal Components", ANN. REV. BIOCHEM. 1984, 53:75-117, 1984
	C125	Numrych, et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda", NUCLEIC ACIDS RESEARCH, 18(13):3953-59, 1990
	C126	Numrych, et al., "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding", THE EMBO JOURNAL, 11(10):3797-3806, 1992
	C127	Nunes-Duby, et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination", CELL, 59:197-206, 1989
Woff	C128	Nunes-Duby, et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases", NUCLEIC ACIDS RESEARCH, 26(2):391-406, 1998

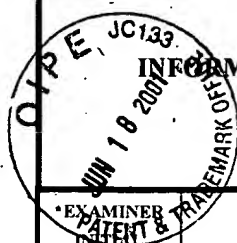
EXAMINER

Remy Guel

DATE CONSIDERED

10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-01 PCIP

Application Number

09/122,384

Applicant(s)

ELLEDDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | | |
|----|------|--|
| OK | C129 | Oberto, et al., "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes", NUCLEIC ACIDS RESEARCH, 22(3):354-56, 1994 |
| | C130 | O'Gara, et al., "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in <i>Rhodobacter sphaeroides</i> 2.4.1", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 63(12):4713-20, 1997 |
| | C131 | Oliner, et al., "In vivo cloning of PCR products in <i>E. coli</i> ", NUCLEIC ACIDS RESEARCH, 21(22):5192-97, 1993 |
| | C132 | Orban, et al., "Tissue- and site-specific DNA recombination in transgenic mice", PROC. NATL. ACAD. SCI. USA, 89(15):6861-65, 1992 |
| | C133 | Osborne, et al., "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox", THE PLANT JOURNAL, 7(4):687-701, 1995 |
| | C134 | Padgett and Sorge, "Creating seamless junctions independent of restriction sites in PCR cloning", GENE, 168:31-35, 1996 |
| | C135 | Palazzolo, et al., "Phage lambda cDNA cloning vectors for subtractive hybridization; fusion-protein synthesis and Cre-loxP automatic plasmid subcloning", GENE, 88:23-36, 1990 duplicate |
| | C136 | Pan, et al., "Ligation of Synthetic Activated DNA Substrates by Site-Specific Recombinases and Topoisomerase I", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 268(5):3683-89, 1992 |
| | C137 | Panke, et al., "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an ortho-Cleavage Degradation Pathway", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 64(2):748-51, 1998 |
| | C138 | Parks and Graham, "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging", JOURNAL OF VIROLOGY, 71(4):3293-98, 1997 |
| | C139 | Peakman, et al., "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination", NUCLEIC ACIDS RESEARCH, 20(3):495-500, 1992 |
| OK | C140 | Peredelchuk and Bennett, "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome", GENE, 187:231-38, 1997 |

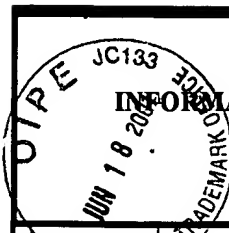
EXAMINER


Lemay

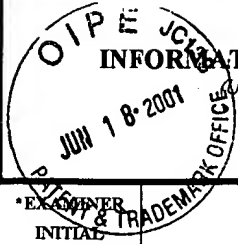













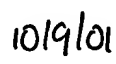
DATE CONSIDERED

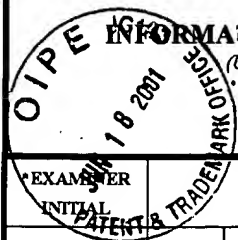
10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-016CIP		Application Number 09/122,384	
		Applicant(s) ELLEDGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER INITIAL					
M	C141	Persson, "Combinatorial Libraries", Intern. Rev. Immunol., 10(2-3):153-63, 1993			
	C142	Phillips-Jones, et al., "Context Effects on Misreading and Suppression at UAG Codons in Human Cells", MOLECULAR AND CELLULAR BIOLOGY, 15(12):6593-6600, 1995			
	C143	Pichel, et al., "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development", ONCOGENE, 8:3333-42, 1993			
	C144	Pierce, et al., "A positive selection vector for cloning high molecular weight DNA by the Bacteriophage P1 system: Improved cloning efficacy", PROC. NATL. ACAD. SCI. USA, 89:2056-60, 1992			
	C145	Podhajska, et al., "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated <i>att-nutL-p-att-N</i> module", GENE, 40:163-68, 1985			
	C146	Posfai, et al., " <i>In vivo</i> excision and amplification of large segments of the <i>Escherichia coli</i> genome", NUCLEIC ACIDS RESEARCH, 22(12):2392-98, 1994			
	C147	Powell, "Enhanced concatemer cloning—a modification to the SAGE (Serial Analysis of Gene Expression) technique", NUCLEIC ACIDS RESEARCH, 26(14):3445-46, 1998			
	C148	Prasad, et al., "Substrate Recognition by the 2 μ m Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate", MOLECULAR AND CELLULAR BIOLOGY, 6(12):4329-34, 1986			
	C149	Prieto, et al., "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of <i>Escherichia coli</i> W: Engineering a Mobile Aromatic Degradative Cluster", JOURNAL OF BACTERIOLOGY, 178(1):111-20, 1996			
	C150	Qian, et al., "Reactions between Half- and Full-FLP Recombination Target Sites", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 267(11):7794-7805, 1992			
	C151	Reed and Grindley, "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site", CELL, 25:721-728, 1981			
M	C152	Richet, et al., "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination", CELL, 46:1011-21, 1986			
EXAMINER		DATE CONSIDERED			
Remy G. Fred		10/9/01			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-018CIP		Application Number 09/122,384	
		Applicant(s) ELLEGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER INITIAL					
[Handwritten mark]	C153				Richet, et al., "Synopsis of the Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex", CELL, 52:9-17, 1988
	C154				Ross and Landy, "Patterns of λ Int Recognition in the Regions of Strand Exchange", CELL, 33:261-72, 1983
	C155				Sadowski, "Site-Specific Recombinases: Changing Partners and Doing the Twist", JOURNAL OF BACTERIOLOGY, 165(2):341-47, 1986
	C156				Sadowski, "The Flp Recombinase of the 2- μ m Plasmid of <i>Saccharomyces cerevisiae</i> ", PROGRESS IN NUCLEIC ACID RESEARCH AND MOLECULAR BIOLOGY, 51:53-91, 1995
	C157				Sandhu, "Protein Engineering of Antibodies", CRITICAL REVIEWS IN BIOTECHNOLOGY, 12(5/6):437-62, 1992
	C158				Sauer, "Functional Expression of the cre-lox Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i>", MOLECULAR AND CELLULAR BIOLOGY, 7(6):2087-96, 1987 duplicate
	C159				Sauer, "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase", METHODS IN ENZYMOLOGY, 225:890-900, 1993
	C160				Sauer, "Site-specific recombination: developments and applications", CURRENT OPINION IN BIOLOGY, 5:521-27, 1994
	C161				Sauer, "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome", NUCLEIC ACIDS RESEARCH, 24(23):4608-13, 1996
	C162				Sauer, "Inducible Gene Targeting in Mice Using the Cre/lox System", METHODS: A COMPANION TO METHODS IN ENZYMOLOGY, 14(4):381-92, 1998
	C163				Sauer and Henderson, "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination", GENE, 70:331-341, 1988
[Handwritten mark]	C164				Sauer and Henderson, "Cre-stimulated recombination at loxP-containing DNA sequences placed into the mammalian genome", NUCLEIC ACIDS RESEARCH, 17(1):147-61, 1989
EXAMINER [Handwritten signature: Penny Gual]			DATE CONSIDERED 10/9/01		
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					

 INFORMATION DISCLOSURE CITATION <small>(Use several sheets if necessary)</small>		Docket Number (Optional) BAY136/4-010CIP		Application Number 09/122,384	
		Applicant(s) ELLEDGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
*EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		C165	Sauer, et al., "Site-specific insertion of DNA into a pseudorabies virus vector", PROC. NATL. ACAD. SCI. USA, 84:9108-12, 1987		
		C166	Schindelbauer and Cooke, "Efficient combination of large DNA <i>in vitro</i> : in gel site specific recombination (IGSSR) of PAC fragments containing α satellite DNA and the human HPRT gene locus", NUCLEIC ACIDS RESEARCH, 25(11):2241-43, 1997		
		C167	Schlake and Bode, "Use of Mutated FLP Recognition Target (FRT) Sites for the Exchange of Expression Cassettes at Defined Chromosomal Loci", BIOCHEMISTRY, 33:12746-51, 1994		
		C168	Segall and Nash, "Synaptic intermediates in bacteriophage lambda site-specific recombination: integrase can align pairs of attachment sites", THE EMBO JOURNAL, 12(12):4567-76, 1993		
		C169	Segall and Nash, "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the <i>attL</i> site into three distinct pathways", GENES TO CELLS, 1:453-63, 1996		
		C170	Senecoff, et al., "DNA Recognition by the FLP Recombinase of the Yeast 2 μ plasmid", J. MOL. BIOL, 201(2):405-21, 1988		
		C171	Shuman, "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific", PROC. NATL. ACAD. SCI. USA, 88:10104-08, 1991		
		C172	Sizemore, et al., "Quantitative analysis of the Tn10 Tet repressor binding to a complete set of <i>tet</i> operator mutants", NUCLEIC ACIDS RESEARCH, 18(10):2875-80, 1990		
		C173	Skraly, et al., "Construction and Characterization of a 1,3-Propanediol Operon", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 64(1):98-105, 1998		
		C174	Smith, et al., "A site-directed chromosomal translocation induced in embryonic stem cells by Cre- <i>loxP</i> recombination", NATURE GENETICS, 9:376-85, 1995		
		C175	Snaith, et al., "Multiple cloning sites carrying <i>loxP</i> and <i>FRT</i> recognition sites for the Cre and Fip site-specific recombinases", GENE, 166(1):173-74, 1995		
		C176	Spengler, et al., "The Stereostructure of Knots and Catenanes Produced by Phase λ Integrative Recombination: Implications for Mechanism and DNA Structure", CELL, 42:325-34, 1985		
EXAMINER		DATE CONSIDERED			
					
<small>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-0100CIP

Application Number

09/122,384

Applicant(s)

ELLEDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | | |
|----|------|--|
| JO | C177 | Stassi, et al., "Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering", PROC. NATL. ACAD. SCI. USA, 95:7305-09, 1998 |
| | C178 | Sternberg, "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs", PROC. NATL. ACAD. SCI. USA, 87(1):103-07, 1990 |
| | C179 | Sternberg, et al., "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1", <i>Cold Spring Harbor Symp. Quant. Biol.</i> 45:297-309, 1981 |
| | C180 | Sternberg, et al., "Bacteriophage P1 cre Gene and its Regulatory Region", J. MOL. BIOL., 187(2):197-212, 1986
<i>duplicate</i> |
| | C181 | Storck, et al., "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse", NUCLEIC ACIDS RESEARCH, 24(22):4594-96, 1996 |
| | C182 | Strathmann, et al., "Transposon-facilitated DNA sequencing", PROC. NATL. ACAD. SCI. USA, 88:1247-50, 1991 |
| | C183 | Thompson, et al., "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications", JOURNAL OF BACTERIOLOGY, 168(3):1343-51, 1986 |
| | C184 | Thompson, et al., "Helical-repeat dependence of integrative recombination of Bacteriophage λ : Role of the <i>P1</i> and <i>H1</i> protein binding sites", PROC. NATL. ACAD. SCI. USA, 85:6323-27, 1988 |
| | C185 | Thorpe and Smith, " <i>In vitro</i> site-specific integration of Bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family", PROC. NATL. ACAD. SCI. USA, 95:5505-10, 1998 |
| | C186 | Tsurushita, et al., "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries", GENE, 172:59-63, 1996
<i>duplicate</i> |
| | C187 | Vanin, et al., "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination", JOURNAL OF VIROLOGY, 71:7820-26, 1997 |
| 87 | C188 | Wang, et al., "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i>", PROC. NATL. ACAD. SCI. USA, 90(16):7874-78, 1993
<i>duplicate</i> |

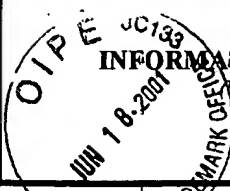





EXAMINER

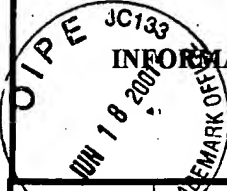
Remygnal

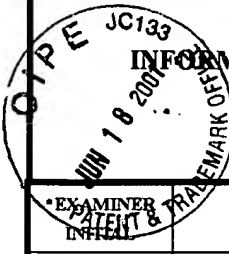
DATE CONSIDERED

10/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Docket Number (Optional) BAY136/4-01-CIP		Application Number 09/122,384	
		Applicant(s) ELLEDGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		*EXAMINER INITIALS & TRADEMARK CODES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	C189	Wasserman, et al., "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling", Nature, 334:448-50, 1988			
	C190	Waterhouse, et al., "Combinatorial infection and <i>in vivo</i> recombination: a strategy for making large phage antibody repertoires", NUCLEIC ACIDS RESEARCH, 21(9):2263-66, 1993 <div style="text-align: right;"><i>duplicate</i></div>			
	C191	Wierzbicki, et al., "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre", J. MOL. BIOL, 195:785-94, 1987			
	C192	Weisberg and Landy, "Site-specific Recombination in phage Lambda", LAMBDA II, Hendrix, Roberts, Stahl, Weisberg, eds, 211-50, 1983 <div style="text-align: right;"><i>duplicate</i></div>			
	C193	Wild, et al., "A broad-host-range <i>in vivo</i> pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing", GENE, 179:181-88, 1996			
	C194	Winoto, et al., "Directional Control of Site-specific Recombination by Bacteriophage λ ", J. MOL. BIOL, 192:677-80, 1986			
	C195	Wittman, "Architecture of Prokaryotic Ribosomes", ANN. REV. OF BIOCHEM., 52:35-65, 1983			
	C196	Wittman, "Components of Bacterial Ribosomes", ANN. REV. OF BIOCHEM., 51:155-83, 1982			
	C197	Yanisch-Perron, et al., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors", GENE, 33:103-19, 1985			
	C198	York, et al., "Simple and efficient generation <i>in vitro</i> of nested deletions and inversions: Tn5 intramolecular transposition", NUCLEIC ACIDS RESEARCH, 26(8):1927-33, 1998			
	C199	Zhu, et al., "Homology Requirements for Ligation and Strand exchange by the FLP Recombinase", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 270(19):11646-53, 1995			
	C200	Gateway™ Cloning Technology Instruction Manual, Version 1 <div style="text-align: right;"><i>No Date</i></div>			
EXAMINER		DATE CONSIDERED			
		10/9/01			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-016CIP		Application Number 09/122,384	
		Applicant(s) ELLEDEGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER INITIAL					
	C201	Gateway™ Cloning Technology Instruction Manual <i>no date</i>			
<i>08</i>	C202	U.S. Application SN 09/177,387, filed October 23, 1998			
<i>08</i>	C203	U.S. Application SN 09/233,492, filed January 20, 1999			
	C204	U.S. Application SN 09/296,280, filed April 22, 1999			
	C205	U.S. Application SN 09/296,281, filed April 22, 1999			
	C206	U.S. Application SN 09/517,466, filed March 2, 2000			
	C207	U.S. Application SN 09/518,188, filed March 2, 2000			
	C208	Albert, et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome", THE PLANT JOURNAL, 7(4):649-59, 1995			
	C209	Bernard, "Positive Selection of Recombinant DNA by CcdB", BIOTECHNIQUES, 21(2):320-23, 1996			
	C210	Dale and Ow, "Mutations in the CRE/LOX Recombination Site Enhance the Stability of Recombinations Products: Applications for Gene Targeting in Plants", THE JOURNAL OF CELLULAR BIOCHEMISTRY, 16F:206, 1992			
	C211	Davies and Riechmann, "An antibody VH domain with a lox-Cre site integrated into its coding region: bacterial recombination within a single polypeptide chain", FEBS LETTERS, 377(1):92-96, 1995			
<i>08</i>	C212	Hall and Collis, "Mobile gene cassettes and integrons: capture and spread of genes by site-specific recombination", MOLECULAR MICROBIOLOGY, 15(4):593-600, 1995			
EXAMINER		DATE CONSIDERED			
<i>Remy Yuen</i>		<i>10/19/01</i>			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional) BAY136/4-016CIP		Application Number 09/122,384
Applicant(s) ELLEDDGE ET AL.		
Filing Date JULY 24, 1998	Group Art Unit 1636	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AN	C213	Henikoff, "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing", GENE, 28(3):351-59, 1984
	C214	Krafte, et al., "Stable Expression and Functional Characterization of a human Cardiac Na ⁺ Channel Gene in Mammalian Cells", J. MOL. CELL CARDIOL., 27(2):823-30, 1995
	C215	Lee and Saito, "Role of nucleotide sequences of <i>loxP</i> spacer region in Cre-mediated recombination", GENE, 216(1):55-65, 1998
	C216	Venkatesh and Radding, "Ribosomal Protein S1 and NusA Protein Complexed to Recombination Protein β of Phage λ ", JOURNAL OF BACTERIOLOGY, 175(6):1844-46, 1993
	C217	"Current Protocols in Molecular Biology, Volume 1", Ausubel, et al., eds., John Wiley & Sons, Inc., 1.5.1-1.5.17, 1998
	C218	"Current Protocols in Molecular Biology, Volume 1", Ausubel, et al., eds., John Wiley & Sons, Inc., 8.5.1-8.5.10, 1998
	C219	Reed, "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System", CELL, 25:713-19, 1981
Y	C220	Yang and Mizuuchi, "Site-Specific Recombination in plane view", STRUCTURE, 5:1401-06, 1997

EXAMINER <i>Remig Juel</i>	DATE CONSIDERED 10/9/01
-------------------------------	-----------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.